



The OSCILLATOR

Volume 33 Issue 12
December 2010



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Oregon Tualatin Valley Amateur Radio Club



"MY TWO CENTS" Pat Roberson

I hope everyone had a great Thanksgiving. One of the things I am thankful for is friends I have found through Amateur Radio. Not just here in our club but many miles away through the magic of radio.

Since this is the last month of the year, I'd like to thank our Board members who have done a great job this year. Special thanks go to Phil K2ASP and Herb K7HLH for stepping up to fill vacancies in mid-year.

Recently, there was a work party here at the N7PAT & K7JLR QTH. Frank K2NCC helped out on the roof installing a 220 MHz j-pole antenna, and Ron KD7VIK put up the R-7 vertical antenna with little help. Jenny's Dad was there to fix a broken sprinkler pipe that got broken the first spot we tried to dig the post hole. The 900 MHz antenna did not get moved to the roof, but that is another project for spring. Thanks to all that helped with the projects.

Speaking of projects, if you are a retired electrician, plumber, or carpenter and would like to help others with projects, please make yourselves known

See TWO CENTS, Page 2

FIELD DAY RESULTS

The results for FIELD DAY 2010 are published in the December, 2010 issue of QST Magazine. Nationally, one hundred-thirty-stations reported operation in 4A Classification. Nineteen stations reported in 4A in Northwestern Division. OTVARC reported the largest number of participants in the Division and placed second in the Division behind The Radio Club of Tacoma, and ahead of Hoodview Amateur Radio Club, who reported thirty participants and finished in third place.

Forty-seven logs were submitted in Oregon Section this year. Eight of these were in 4A. Salem Amateur Radio Club, reporting in Classification 10A with thirty participants, led Oregon Section with 1,777 QSOs reported. Central Oregon DX Club, in Class 2A, reported 1,472 QSOs. OTVARC, in Class 4A, reported 1,338 QSOs to lead the Section in Class 4A.

The 2011 ARRL Field Day will be June 25-26. OTVARC will be working from Stub Stewart State Park in Buxton, Oregon again next year. A team is being collected to plan the event.

CLUB MEETING THURSDAY, December 16th

3RD THURSDAY

The THURSDAY, December 16th Meeting will be our *Holiday Dinner*. Advance Reservations are required by December 11th. See article in this issue.

Our Holiday Dinner will be at the *Community Building, Sunset Presbyterian Church, 14986 NW Cornell Rd, just off US 26 (Exit 65) in Beaverton*. Check out the map at: tinyurl.com/otvarc-site

OTVARC is affiliated with ARRL: The National Association for Amateur Radio and is a *Special Service Club*.

New Hams, Guests, and family members are always welcome. A license is not required.

LOOKING AHEAD

December 29	Fifth Wednesday Contest
January 20	Club Meeting
February 17	Club Meeting
March 30	Fifth Wednesday Contest
April 21	OMSI/K7SUB Event
May 8	33rd Anniversary
June 3 -5	SEA-PAC 2011
June 25 - 26	Field Day
August 18	Club BBQ & Ice Cream Social

TWO CENTS, from Page 1

It would be nice to have a data base with information such as this.

I am looking forward to the Holidays and the year to come.

Happy Holidays,
Pat Roberson,
President, OTVARC

PUZZLER

Harold Ham and Adam Amateur each decide to put up a 1/4 wave vertical. Harold installs a 1/4 wave element, tosses a few radials on the ground and measures it. "Beautiful, 1:1 SWR at resonance and it covers the whole band, he says..."

Adam does a more thorough job and installs a similar antenna but with 30 radials. "Dang it!" he says. "The SWR won't go below 1.5:1 and it only covers half the band!"

What's wrong with Adam's antenna? Why does Harold's antenna work better? Carl WS7L

The Board of Directors received recommendations from the Committee and suggested additional changes. These were made and the Board recommended the proposed changes to the membership with the adoption of recommended changes to be included with the December election ballot.

The Elections Committee mailed official ballots on Saturday, November 20th and the Constitution and Bylaws Committee posted the proposed changes on the Club Web Site on Tuesday, November 23rd with an email notice to members. The proposal rationale and summary of changes to each document are included in this December 2010 issue of The OSCILLATOR. At the request of Pat Roberson N7PAT, the December issue is being completed and distributed a week earlier than its normal schedule. Members who have no email on file with the club are receiving a printed copy of both documents by postal mail.

Everett W6ABM
Editor

**CONSTITUTION & BYLAW REVIEW
COMMITTEE PROCESS**

At the January 2010 meeting of the Board of Directors, The Board, on recommendation of Robert Crocker WN7O, past president, and Pat Roberson N7PAT, current president, formed a Constitution and Bylaws Review Committee. The Committee charge included a review both documents and proposal of amendments, if needed, based on that review. Formal recommendations for amendments were to be returned to the Board of Directors for their review and recommendation to the membership. The formation of the Committee came as a direct result of controversy raised over the 2009 Election and informal proposals being discussed among members.

Areas of concern among members included: Process of recruiting nominees for the Board; Information available to the members on nominees prior to balloting; types of acceptable ballot; "secrecy" of submitted ballots; whether club members should continue to manage elections and conduct ballot collection and counting or whether the club should hire an employee or firm provide election services; whether a vote should be required when a position does not have more than a single nominee or should be declared "elected" without further voting; guidance for operation of Standing Committees. The review was NOT limited to these questions.

Ron O'Connor KD7VIK was appointed Chair of the committee, with Wes Allen K7WWG; Karl Anderson; KUØT; Phil Kane K2ASP; and Mel Sutton KB7PVW as members of it. These actions were reported to the membership at the February 2010 Monthly Meeting and in the February 2010 issue of The OSCILLATOR. The Committee contacted members who were expressing distrust of the 2009 Election process to solicit their suggestions for change to the Bylaws. The Committee solicited the same input from members of the Board of Directors and reported progress on its charge at each Board Meeting.

←

2011 ELECTIONS

The Elections Committee has mailed ballots to members. These ballots are due in the club postal mail box no later than Tuesday, December 14th.

Candidates are:

President	Pat Roberson N7PAT
Vice President	Herb Hirst K7HLH
Secretary	Everett Curry W6ABM
Treasurer	Warren Winner W7JDT
Trustee	Wes Allen K7WWG
[Vote for	Alvin Carlson KB7VHI
Two]	Jennifer Roberson K7JLR

This list differs from the one published in the November issue of The OSCILLATOR to include Wes Allen K7WWG who nominated himself from the floor at the November Monthly Meeting.

Questions about the Elections may be referred to the Elections Committee (Jenny Roberson, k7jlr at arrl.net or at 503.848.2283, Kristin Tomson, or Jim Schaeffer, jim.schaeffer@sulzer.com).

BLACK BOX CREATOR DIES

David Warren, widely credited with creating the prototype of the flight data recorder or "black box," an advance in aviation that was partly inspired has died in Australia. He was 85. His invention is partially the result of the death of his father in a plane crash when he was 8. His father died in an air disaster in 1934.

Warren made no profit from his invention. He said that he had no regrets about not making money from it. If the government had offered him all the profits from the black box, Mr. Warren said, he would have rejected it flat, "Because you'll give me the bills for all my other ideas, too!"

Warren, a government aeronautical researcher, operated a ham radio as a boy and worked against skepticism and ridicule to create his device. But it, and later generations of it, proved to do exactly what he thought it would: simultaneously record the conversations of pilots and instrument readings.

After a crash today, aviation authorities scramble to recover the box — encased in steel and insulated against fire — so they can determine

See "Black Box" page 7

NEC 220 VOLTS CODE

The old 3-wire 220 volt outlet systems are being replaced with 4-wire systems. Here is the problem with the older system and why the new National Electrical Code requires a 4th wire:

If you had an appliance that ran off of 220 volts but ran a light off of 120 volts, they hooked the lamp to one "hot" leg and then the other side of the lamp went to the ground wire. Under these conditions there was power flowing on the ground wire which was acting as the return.

Maybe there was some "leakage" in an appliance. Now, if your body was grounded somehow by touching a grounded water pipe or your feet were in a pool of water, then you touched the appliance grounded case, you would get a shock as some current was flowing in the ground wire. It would now shunt over to you and your grounded body so there would now be return current not only flowing back on the ground wire but through you to the water pipe or through your feet.

Now with 4-wire systems, the white neutral wire carries the lamp current and any "leakage" back to the box for the 120 volt part of the system. The green ground "safety" wire on the appliance case has no current flowing on it. When you ground yourself and touch the appliance cabinet no current flows and you get no electrical shock.

Lee WØVT



The National Electrical Code (NEC), or NFPA 70, is a United States standard for the safe installation of electrical wiring and equipment. It is part of the National Fire Codes series published by the National Fire Protection Association (NFPA).

While the NEC is not itself a U.S. law, NEC use is commonly mandated by state or local law, as well as in many jurisdictions outside of the United States. "National Electrical Code" and "NEC" are registered trademarks of the NFPA.

WORLDWIDE DISTRIBUTION

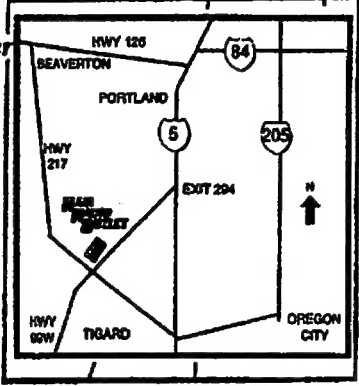
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HOLIDAY DINNER

The 2010 Holiday Dinner will take place on Thursday, December 16th at Sunset Presbyterian Church, our usual meeting location. Warren Winner W7JDT will serve as Coordinator this year. The Sit-Down-Catered Holiday Dinner (actual cost \$28.50) will be subsidized by your volunteer work at SEA-PAC and will cost \$10.00 per person, in advance.

Menu Choices

- 1) Sun Dried Tomato Alfredo Chicken with Penne Pasta
- 2) Fresh Grilled Salmon with Roasted Red Potatoes
- 3) Vegetarian option

And:

Fresh Sautéed Vegetables
Harvest Salad with Apples
Caramelized Pecans & Feta

Cheesecake with Berry Compote
Chocolate Ganache Cake

Coffee, Decaf and Water

Check made out to OTVARC with your order form indicating Chicken, Salmon, or Vegetarian meals. Reservations by mail only, deadline is Saturday, December 11th. Send to →

VOLUNTEER EXAMINERS' TEAM

The following sessions were held in recent months:

September 4: We tested six applicants who earned three Technician Class licenses, two upgrades to General Class, and one upgrade to Extra Class. VEs were Andy KE7AUB; Rich KD7GIE; and Herb K7HLH.

October 2: I was enjoying a beach vacation while Raul N7BAR served as session leader. Thanks, Raul! Three applicants earned two upgrades to General Class licenses and one to Extra Class. VEs were Raul N7BAR; Rich KD7GIE; John KE7WNB; Jim WD7H; and Russ N7QR.

November 6: Nine applicants earned eight Technician Class licenses and one upgrade to General. VEs were Everett W6ABM; Herb K7HLH; Jim W7JDE; and Jim WD7H.

Upcoming sessions are Saturday December 4th and Saturday January 1st. (Yes, we test on holidays) at 1:00 pm at Ronler Acres Fire Station in Hillsboro

Thanks to all the VEs for a great 2010, and special thanks to all the applicants who make it all worthwhile!

73,

Carl WS7L, VE Team Coordinator

FIFTH WEDNESDAY DECEMBER 29th

The last Fifth Wednesday Contest of 2010 will take place this month. Our goal is to demonstrate propagation in our area on 2 meters simplex and to have fun. This one-hour contest, 8:00 pm to 9:00 pm local, takes place on 147.54 MHz, exchange is Zip Code and Class. Everyone is welcome, club membership is not required.

OTVARC Holiday Dinner
c/o Warren Winner
12675 NW Filbert St.
Portland, OR 97229

HAMFESTS & CONVENTIONS**19 FEBRUARY 2011****Salem Hamfair****Salem Repeater Association****Polk County Fairgrounds****520 South Pacific Highway West****Rickreall, OR 97371****www.w7sra.org****Talk-In: 146.86 (PL 186.2)****Donald Brusch K7UN****PO Box 5130****Salem, OR 97304-0130****503.931.8751****k7un@arrl.net****15 - 17 APRIL 2011****62nd International DX Convention****Northern California DX Club****www.dxconvention.org****info@dxconvention.org****The Holiday Inn Hotel & Conference Center****Visalia, California****Room rates - \$99.00****Reservations - 559.651.5000****4 - 6 JUNE 2011****SEA-PAC NW Div ARRL Convention****Seaside Convention Center****Seaside Oregon****www.seapac.org****C. Wayne Schuler AI9Q****16414 NE 21st Street****Vancouver, WA 98684****360-892-5580**

Your business advertising in THE OSCILLATOR is seen each month by more than 200 members who read THE OSCILLATOR. To include your "Business Card" ad (\$48.00 annually) or "Display" - HRO size ad (\$60.00 annually), contact Maureen O'Rourke at 503.591.9641.



Looking for a unique and effective stocking stuffer? It's a local product - made by a fellow ham radio operator. Give....OTLB

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Created by: Maureen O'Rourke KA7LAP
mcorourke@netzero.com

Use Oregon Trail Lip Balm
Available at Beaverton, Hillsboro and Hank's Pharmacies,
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DC POWER**Anderson Connectors & More****Wes Allen, K7WWG****665 SW 167th Ave • 503-531-4081****Beaverton, OR 97006****e-mail: sales@dcpwr.com****Web: www.dcpwr.com****JANUARY LUNCH BUNCH**

There will be no December Lunch Bunch
Since it would fall on Christmas Day

January 22, 2011**1:30 pm****Location to be Announced****Questions?****Linda KC7YTD****kc7ytd@gmail.com****503.246.8879****December 14****Election Ballots Due at Club Mail Box****December 16****Holiday Dinner****December 29****Fifth Wednesday 2 Meter Simplex Contest****January 20****Monthly Club Meeting****Installation of 2011 Board of Directors****HAPPY DECEMBER BIRTHDAY**

2 Bert Schmidt W7JWG	19 Stan Griffiths W7NI
2 Phil Westover WA7URV	19 Pete Thunem WA7JBG
3 Gavin Silaski K7AWS	26 Kathleen Haupt
4 Glynn Davis KD7BSC	KE7EVV
6 Pat Griffiths KA7UFG	27 Floyd Ragner N7ONQ
6 Phil Kane K2ASP	27 Rox Heath AD7RX
9 Kurt Roth W9ERT	28 Ken Nordling W7EZE
9 Roland West K7MCK	31 Richard Bixler A7DKF
13 Richard Ballard W7AND	
15 Alan Bach KF7GNM	
17 Steven Aamodt K7SJA	
17 Bill Conwell K2PO	
17 Peter Hardiman N7DUC	

Did we miss your birthday? Update your information in our database with an email to: otvarc@gmail.com



OTVARC MEMBERS are welcome to include an ad in each issue of THE OSCILLATOR as space allows.

FOR SALE

Hy-Gain Explorer 14 Tri-band Beam
Comes with 40 meter add-on
List is \$700.00 and add on is \$179.00
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FOR SALE

Kenwood TR-7730
2-meter VHF Transceiver—Used
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FOR SALE

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CONSTITUTION & BYLAW UPDATING

The Constitution and Bylaws, for a group such as OTVARC, are by necessity "living documents" that need to be revised now-and-then to represent the current needs and goals for the best stewardship of the organization. Sometimes the changes reflect a need to keep up with new technology and the effect this might have on the club and members. For example, to reduce operating costs, operate more efficiently and reduce the time and effort member volunteers provide. Other times, "that's the way we've always done it" no longer applies and the official document needs to evolve.

Revisions to the OTVARC Constitution were made in May 1992 and again in September 2005. The Bylaws were revised in May 1992 and most recently December 2006. Copies of current club documents are always posted on the Club web-site for information and review.

Primarily due to controversy related to last years elections, the Board of Directors commissioned a committee to review both documents. The charge was to recommend revisions and submit them to the membership for ratification. That work has been completed by the committee, presented to the full board and approved. The Board Of Directors recommends the membership approve these revisions.

Ron O'Connor KD7VIK, Chairman; Wes Allen K7WWG; Karl Anderson; KUØT; Phil Kane K2ASP; and Mel Sutton KB7PVW

I hope all members will take time to review the proposed revisions and the current documents, make your own decision and then cast your vote in this matter as you see fit. Both documents are on the Club Web Site at <http://www.otvarc.org/ClubDocuments.htm>

Ron O'Connor KD7VIK
Chairman

Present Constitution Requirements for AMENDMENTS

Article VI, Section D. The proposed amendment shall be published in the club Newsletter and members shall vote for acceptance (yes) or rejections (no) of the amendment, by means of a written ballot also included in the Newsletter with the proposed amendment. The Author(s) shall publish a written statement of not more than 200 words including the purpose and intent of the proposed amendment. A majority of two-thirds (2/3) of the vote received by the next regular club meeting is required for ratification of the proposed amendment. The Author(s) may withdraw the proposed amendment at any time prior to its publication, and no vote shall be taken.

ENJOY YOUR DECEMBER HOLIDAY SEASON

November 28 - December 25 Advent and Christmas (Christian, Birth of Christ)

December 1 - 9 Hanukkah (Jewish, Rededication of the Temple)

December 26 - January 1 Kwanzaa (African American Celebration of African Customs/Culture)

PROPOSED CHANGES TO CONSTITUTION

Preamble: Primarily, the proposed changes involve revisions to the wording to align this section with the mission of the club as it has evolved to the present time.

Article VI Amendments:

Section A: Clarification of "Full" and "Full Family" membership.

Sections B & C: Added minor grammatical corrections.

Section D: Distribution and ratification requirements were moved to the Bylaws in order to simplify future revisions.

Black Box, from Page 3

what happened minutes before. The information not only helps fix responsibility; it has also resulted in many safety improvements. Today's black boxes — which remain red or orange, to make them easier to find in wreckage — record far more data than the first ones and help in investigations of countless catastrophes.

His father's last gift to his son was a ham radio set. The boy loved it and built radios to sell to his friends. When amateur radio was banned during World War II, he turned to chemistry as a hobby.



Section 11 Ratification of Amendments: This section was moved from the constitution and revised/expanded to be consistent with the provisions of other sections.

PROPOSED CHANGES TO BYLAWS

Section 1 Membership: Cleaned up wording, added provision/method for associate members to upgrade to full or full family membership.

Section 2 Meetings: Minor changes in wording and punctuation. Also clarifies timing of special meeting notification and proposes changing time of year for the annual meeting to May, the anniversary month of the club.

Section 3 Dues: Deleted language regarding reinstatement fee for former members. Adds clarification of how club dues are determined.

Section 4 Life Membership: Simplified the wording of how life membership is determined. No effective change results.

Section 5 Expulsion: Revised to require recommendation from BOD and vote by membership for expulsion.

Section 6 Qualification of Officers: Primarily proposes adding requirement for officers to have been members for two (2) years at time of election.

Section 7 Resignation or Removal of Officers: Clarification, revises some of the wording for consistency.

Section 8 Vacancies: Clarification, minor wording revisions.

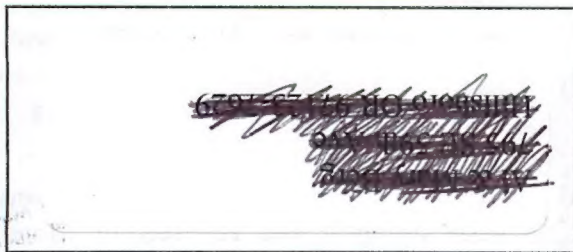
Section 9 Books and Records: Various sub-sections revised to acknowledge that the job of secretary is important and at times may require help from others, including other members as needed and a membership committee.

Section 10 Nomination and Election of Officers:

1. Includes proposed changes to wording necessary to move the annual meeting and election of officers to April-May time frame to match the clubs anniversary month.

2. Adds necessary wording to include "electronically secure voting" as an option for elections. Clarifies determination of election results, runoff elections and revises the current "Judge of Elections" provision to include the President, Vice President and one selected Trustee.

CLUB MEETING
DECEMBER 16TH



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